

LABdex



Blood Gas And Electrolyte Analyzer LX102BGA

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Description

Blood Gas and Electrolyte Analyzer LX102BGA comes with 10.4” TFT touch Screen, integrated barcode Reader. It has four types of calibration system like Automatic, Programmable, One-point and Two-point. Storage data capacity has more than 50,000 test data. Blood gas & electrolyte analyzer used for determination of respiratory or metabolic abnormalities, acute heart and lung diseases.

Specifications

Sample	Whole blood, Serum, Plasma, Dialysate, CSF
Input parameters	Patient temperature, Hemoglobin, FiO, B.P.
Analysis time	< 90s
Test	pH(CH), pCO2, pO2, K, Na+, CL-, Ca++, Hct

Parameters

Test Items	Measuring Range	Unit
pH(CH)	6.000~9.000	pH scale
CO2	0.667~26.67	kpa
pCO2	5.0~200.0	mmHg
pO2	0~106.7; 0~800.0	kpa; mmHg
K+	0.5~10.00	mmol/L
Na+	50.0~200.0	mmol/L
Cl-	20.0~200.0	mmol/L
Ca++	0.10~5.0	mmol/L
Hct	12.0~65.0	%
B.P.	500~800	mmHg
Glucose	1.1~66.7	mmol/L
Lactate	0.4~30.0	mmol/L
TCO2	0~50	mmol/L
HCO3	0~50	mmol/L
Beb	-25.0~25	mmol/L
Beecf	-25.0~25	mmol/L
SBC	-0~50	mmol/L
SO2%	40~100.0	%
AaDO2	-0~700	mmHg

Derived parameters	pH(TC); pCO ₂ (TC); pO ₂ (TC)	Temperature corrected
	Ca ⁺⁺ (7.4)	Ionized calcium “normalized” to pH 7.4
	TCa	Total calcium content
	AG	Anion gap
	RI	0.0~70.0
	O ₂ SAT	Oxygen saturation
	tHb(c)	Hemoglobin (Calculated)
Sample volume	95μl (whole blood), 50μl (capillary blood)	
Calibration	Automatic, Programmable, One-point and Two-point	
Data storage	More than 50,000 results	
Display	10.4” TFT Touch screen	
Battery	Nickel-metal hydride battery 3.0Ah	
Printer	Build in Thermal printer (70mm)	
Barcode reader	Up to 14 kinds barcode type	
Interface	Serialline RS-232 TCP/Ip interface USB port Integrated bar-code reader	
Working temperature	15-30℃	
Storage environment	5-40℃	
Power supply	100-240V~50/60HZ	
Dimension (W x D x H)	400 x 574 x 344 mm	
Net weight	30 Kg	
Package dimension (W x D x H)	940 x 670 x 620 mm	
Gross weight	60 Kg	

Features

- ˆ Can use multiple combinations can test multiple parameters at once
- ˆ Equipped with a 10.4" TFT touchscreen
- ˆ Measures Capillary 35 µL, whole blood 95 µL, suitable for syringes and capillaries
- ˆ Can test following biological component pH(CH), pCO₂, pO₂, K⁺, Na⁺, CL⁻, Ca⁺⁺, Hct
- ˆ Build-in thermal printer and barcode reader
- ˆ Having a maintenance free electrode, automatic alarm in case of malfunction, fast detection time, high-resolution color touch screen, and backup battery
- ˆ Easy to use, fast data input, and friendly operation interface

Applications

- ˆ Blood Gas & Electrolyte Analyzer mainly used in clinical lab, hospital, research institution, determination of respiratory or metabolic abnormalities, acute heart and lung diseases.



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